

1 22. The database system of claim 21 coupled to a fleet management system configured to
2 operate a fleet of the plurality of mobile units.

1 23. The database system of claim 21 coupled to a wireless communication server
2 configured to communicate with the plurality of mobile units.

1 24. The database system of claim 23 wherein the wireless communication server is
2 configured to use a two-way messaging device for communicating to one of the plurality of mobile units.

1 25. (Amended) The database system of claim 21 coupled to a
2 [maintenance] monitoring system configured to provide information regarding [an
3 appropriate action] the database system.

1 26. (Amended) The database system of claim 25 wherein the [appropriate
2 action includes] monitoring system is configured to perform system maintenance.

1 27. The database system of claim 21 coupled to a routing system configured to select an
2 appropriate route for a selected one of the mobile units.

1 28. The database system of claim 27 wherein the routing system utilizes routes from a list
2 comprising a fixed route, scheduled route, and optimized route.

1 29. The database system of claim 27 wherein the selected route includes street data from
2 the vector information.

1 30. The database system of claim 21 coupled to a dispatch management system configured
2 to manage the computer aided dispatching.

1 31. The database system of claim 21 coupled to a dispatch management system configured
2 to manage the computer aided dispatching.

1 32. The database system of claim 21 further including a display operably couple to the
2 computer, the display comprising a first and a second display segments, the first display segment comprising a
3 digitized representation of a raster map retrieved from the raster information and a plurality of user locatable
4 marks, each of the plurality of user locatable marks representing of one of the plurality of mobile units at a mobile
5 unit position, the second display segment comprising vector text data retrieved from the vector information for at
6 least one of said plurality of mobile units.

- 1 33. The database system of claim 32 wherein the mobile unit position is for a
2 predetermined time period.
- 1 34. The database system of claim 32 wherein each of the user locatable marks is an icon.
- 1 35. The database system of claim 32 wherein the first and second display segments are
2 simultaneously displayed.
- 1 36. The database system of claim 21 wherein each of the plurality of mobile units
2 comprises a navigation tracking device, the navigational tracking device including a microprocessor operably
3 coupled to a global positioning system (GPS) navigational sensor and a mobile radio modem operably coupled to
4 the microprocessor.
- 1 37. The database system of claim 21 wherein the position data includes a first value and a
2 second value, the first value being a latitude position and the second value being a longitude position.
- 1 38. The database system of claim 21 wherein the vector information includes a street
2 name.
- 1 39. The database system of claim 21 wherein the vector information includes a block
2 number.
- 1 40. The database system of claim 21 wherein the vector information includes a major street
2 cross-section.

1 21A1. (Amended) A database system for computer aided dispatching
2 comprising:
3 mobile position information, including position data about a plurality of mobile
4 units;
5 raster information, including digitized data about a first selected segment of
6 interest;
7 vector information, including intelligent data about a second selected segment
8 of interest;
9 a computer operably coupled to access the mobile position, raster, and vector
10 information, configured to provide interrelated position data regarding at least one of the
11 plurality of mobile units;

43

12 a fleet management system [operable] operably coupled to the mobile position,
13 raster, and vector information, configured to operate a fleet of the plurality of mobile units; and
14 a dispatch management system [operable] operably coupled to the mobile
15 position, raster, and vector information, configured to manage the computer aided dispatching.

1 42. The database system of claim 41 coupled to a routing system configured
2 to select an appropriate route for a selected one of the mobile units.

1 43. A database system for computer aided dispatching comprising:
2 mobile position information, including position data about a plurality of mobile
3 units;

4 vector information, including intelligent data about a second selected segment
5 of interest;

6 a computer operably coupled to access the mobile position and vector
7 information, configured to provide interrelated position data regarding at least one of the
8 plurality of mobile units; and

9 a fleet management system operably coupled to the computer, configured to
10 operate a fleet of the plurality of mobile units.

1 44. The database system of claim 43 coupled to a wireless communication
2 server configured to communicate with the plurality of mobile units.

1 45. The database system of claim 44 wherein the wireless communication
2 server is configured to use a two-way messaging device for communicating to one of the
3 plurality of mobile units.

1 46. (Amended) The database system of claim 43 coupled to a
2 [maintenance] monitoring system configured to provide information regarding [an
3 appropriate action] the database system.

1 247. (Amended) The database system of claim 46 wherein the [appropriate
2 action includes] monitoring system is configured to perform system maintenance.

44